PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)

(PCT Rules 44bis.3(c) and 72.2)

To:

YOSHITAKE, Kenji Kyowa Patent & Law Office Room 323, Fuji Bldg. 2-3, Marunouchi 3-chome Chiyoda-ku, Tokyo 1000005 JAPON



Date of mailing (day/month/year)

07 December 2006 (07.12.2006)

Applicant's or agent's file reference 152884-299

International application No. PCT/JP2005/003581

IMPORTANT NOTIFICATION

International filing date (day/month/year) 03 March 2005 (03.03.2005)

Applicant

DAI NIPPON PRINTING CO., LTD. et al

1.	Transmittal	of t	he	translation	to	the a	pplicant

The International Bureau transmits herewith a copy of the English translation of the international preliminary patentability (Chapter I).	report on
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The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter Π).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 152884-299	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/JP2005/003581	International filing date (day/month/year) 03 March 2005 (03.03.2005)	Priority date (day/month/year) 31 March 2004 (31.03.2004)	
International Patent Classification (8th See relevant information in Form P			
Applicant DAI NIPPON PRINTING CO., LTD.			

1	This international preliminary re International Searching Authority		I) is issued by the International Bureau on behalf of the
2.	This REPORT consists of a total In the attached sheets, any refere to the international preliminary re	nce to the written opinion of t	he International Searching Authority should be read as a reference
3.	This report contains indications i		·
	Box No. I	Basis of the report	
	Box No. II	Priority	
	Box No. III	Non-establishment of opini	ion with regard to novelty, inventive step and industrial
	Box No. IV	Lack of unity of invention	
	Box No. V		Article 35(2) with regard to novelty, inventive step or industrial explanations supporting such statement
	Box No. VI	Certain documents cited	
	Box No. VII	Certain defects in the intern	national application
	Box No. VIII	Certain observations on the	e international application
4.			gnated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but example 23(2), before the expiration of 30 months from the priority
			Date of issuance of this report 29 November 2006 (29.11.2006)
	The International Bure: 34, chemin des Colo 1211 Geneva 20, Sw	ombettes	Authorized officer Masashi Honda
Facsimile No. +41 22 338 82 70			e-mail: pt08@wipo.int

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:



10:						PCT TON	
						RITTEN OPINION OF THE TIONAL SEARCHING AUTHORITY	
						(PCT Rule 43bis.1)	
					Date of mailing (day/month/year)		
Applica	nt's or a	gent's file reference	ce		FOR FURTHER	ACTION	
		-299			See paragraph 2 below		
		plication No.		International filing date (day/month/year	Priority date (day/month/year)	
	-	2005/003	581	03.03.2005		31.03.2004	
Internat	ional Pa	tent Classification	(IPC) or both	n national classification and	d IPC		
A 12							
Applica		DOM DETI	ATTRIC (~~ TMD			
DAI	MI	PPON PRI	NTING (CO., LTD.			
1	This c	pinion contains in	idications rela	ting to the following items	:		
	\boxtimes	Box No. I	Basis of the	opinion			
		Box No. II	Priority				
	Ц	Box No. III	Non-establi	shment of opinion with reg	gard to novelty, inven	tive step and industrial applicability	
		Box No. IV	Lack of unit	ty of invention			
		Box No. V		tatement under Rule 43bis. y; citations and explanation		novelty, inventive step or industrial tement	
	님	Box No. VI	Certain doc	uments cited			
	Н	Box No. VII	Certain defe	ects in the international app	olication		
	Ш	Box No. VIII	Certain obse	ervations on the internation	nal application		
2.	FURT	THER ACTION					
	Intern than t	ational Preliminar his one to be the l	y Examining IPEA and the	Authority ("IPEA") excep	t that this does not ap I the International Bu	ill be considered to be a written opinion of the oply where the applicant chooses an Authority other reau under Rule 66.1 bis(b) that written opinions of	
	writte PCT/I	n reply together, SA/220 or before	where appropriation	priate, with amendments, n of 22 months from the pri	before the expiration	A, the applicant is invited to submit to the IPEA a n of 3 months from the date of mailing of Form expires later.	
	For fu	rther options, see	rorm PCI/IS	A/220.			
3.	For fu	rther details, see r	notes to Form	PCT/ISA/220.			
Name a	nd maili	ng address of the	ISA/IP		Authorized officer		
l Tank a		women or the			. Idionized officer		
Faccimile No.				Talanhana Na			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2005/003581

Вох	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under
	-	Rule 12.3 and 23.1(b)).
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ation, this opinion has been established on the basis of:
	a .	type of material
		a sequence listing
		table(s) related to the sequence listing
	Ъ.	format of material
		in written format
		in computer readable form
	C.	time of filing/furnishing
		contained in the international application as filed
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Addi	tional comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2005/003581

citations and explanations supporting such statement				
Statement				
Novelty (N)	Claims	13, 15-17, 20, 21	YES	
	Claims	1-12, 14, 18, 19, 22	NO	
Inventive step (IS)	Claims		YES	
	Claims	1-22	NO	
Industrial applicability (IA)	Claims	1-22	YES	
	Claims		NO	
	Statement Novelty (N) Inventive step (IS)	Statement Novelty (N) Claims Claims Inventive step (IS) Claims Claims Claims Claims Claims Claims	Statement Statement	

2. Citations and explanations:

Document 1: JP, 2003-255103, A (Fuji Photo Film Co., Ltd.), 10 September, 2003 (10.09.03), claims, [0014]-[0018], [0036], [0120]-[0126] (Family: none)

Document 2: JP, 2003-183592, A (Dainippon Printing Co., Ltd.), 03 July, 2003 (03.07.03), claims (particularly, claims 14, 17, 20), [0016], [0119], [0123], [0124], [0132]-[0145], & WO, 03-027189, A1

Document 3: JP, 2002-79600, A (Toppan Printing Co., Ltd.), 19 March, 2002 (19.03.02), claims (Family: none)

Each of documents 1-3 is a document cited in the ISR.

Claims 1-12, 14, 18, 19, and 22

Document 1 describes an antireflective film, in which a low refractive index layer comprising (1) an ionizing radiation crosslinking resin and (2) inorganic fine particles in which a surface treatment is performed by a coupling agent and the average particle size is 1-200 nm, is formed on a transparent support body. Furthermore, besides the above description, the document describes that a hard coat layer, a medium/high refractive index layer and/or an antidazzle layer are provided.

Therefore, claims 1-12, 14, 18, 19, and 22 do not appear to be novel or to involve an inventive step in view of document 1.

Document 2 describes an antireflective film having a low refractive index layer composed of a coating composition comprising (1) an ionizing radiation- curable binder and (2) inorganic superfine particles whereof the surface is hydrophobic and the particle size is 1-500 nm. Furthermore, besides the above description, the document describes that a hard coat layer and/or a medium/high refractive index layer are provided.

Therefore, claims 1-12, 14, 19, and 22 do not appear to be novel or to involve an inventive step in view of document 2.

Claims 13, 15-17, 20, and 21

Document 3 describes that a low refractive index layer constituting an antireflective laminate is formed so as to have a film surface in which a 10-point average roughness Rz is 100 nm or less and an arithmetic average roughness Ra is 2-10 nm in a minute region of its 5 μ m square. It is not considered especially difficult for a person skilled in the art to conceive of manufacturing an antireflective film or coating having a similar rough surface in the invention described in document 1 or 2 which also relates to an antireflective laminate.

Furthermore, as well as the above descriptions of documents 1 and 2, providing other layers, for example an antistatic layer, a protective layer and the like, was also already popular in the technical field of an antireflective laminate before the filing date of the present application. It is not

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/003581

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
considered especially difficult either for a person skilled in the art to conceive of employing a constitution in which a layer as described above is further provided in addition to the layer constituting an antireflective film or coating described in documents 1 and 2.
Therefore, claims 13, 15-17, 20, and 21 do not appear to involve an inventive step in view of documents 1 and 3 or documents 2 and 3, and common general technical knowledge.